That Which is Claimed:

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1. A masked expression cassette comprising a double stranded nucleic acid molecule wherein a first strand comprises an RNA sequence which codes for a protein of interest linked downstream of a flanking sequence, and a translation initiation site operably inserted upstream of the RNA sequence; and,

the second strand bound to the flanking sequence, wherein said second strand comprises a polynucleotide corresponding to said first strand and to a target molecule.

- 2. The cassette of claim 1, wherein said cassette further comprises a 7-methyl guanine cap linked to the 5' end of the flanking sequence.
- 3. The cassette of claim 2, wherein said protein of interest comprises a toxin selected from the group consisting of Pseudomonas exotoxin A, ribonuclease, Barnase toxin, Pertussis toxin, and cholera toxin.
- 4. A masked expression cassette comprising a double stranded nucleic acid molecule comprising a first strand comprising a 5' sense sequence and a 3' sense sequence;

said first strand further comprising an RNA sequence which codes for a protein of interest linked downstream of said 5' sense sequence, and a translation initiation site operably inserted upstream of the RNA sequence; and,

the second strand bound to said 5' sense sequence and to said 3' sense sequence, wherein said second strand comprises a polynucleotide corresponding to said 5' sense sequence and to said 3' sense sequence and to a target molecule.

5. The cassette of claim 4, wherein said cassette further comprises a 7-methyl guanine cap linked to the 5' end of said nucleic acid molecule.

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- 6. The cassette of claim 5, wherein said protein of interest comprises a toxin selected from the group consisting of Pseudomonas exotoxin A, ribonuclease, Barnase toxin, Pertussis toxin, and cholera toxin.
- 5 7. A masked expression cassette comprising a double stranded nucleic acid molecule wherein a first strand comprises an RNA sequence which codes for a protein of interest linked downstream of a plurality of sense sequences, and a translation initiation site operably inserted upstream of the RNA sequence; and,

a plurality of second strands, each bound to an individual sense sequence, wherein each of said second strands comprises a nucleotide sequence corresponding to one of said sense sequences and to a target molecule.

8. The cassette of claim 7, wherein said cassette further comprises a 7-methyl guanine cap linked to the 5' end of said nucleic acid molecule.

9. The cassette of claim 8, wherein said protein of interest comprises a toxin selected from the group consisting of Pseudomonas exotoxin A, ribonuclease, Barnase toxin, Pertussis toxin, and cholera toxin.

- 10. The cassette of claim 8, wherein each of said sense sequences comprises a distinct nucleotide sequence and each of said second strands comprises a nucleotide sequence corresponding to one of said distinct sense sequences and to a distinct target molecule.
- The cassette of claim 8 having two sense sequences and two second strands.
 - 12. The cassette of claim 8 having three sense sequences and three second strands.

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